

## Datasheet for ABIN7563137

### ROM1 Protein (AA 1-351) (His tag)



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#### Overview

Quantity:	1 mg
Target:	ROM1
Protein Characteristics:	AA 1-351
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ROM1 protein is labelled with His tag.

#### Product Details

Purpose:	Custom-made recombinant Rom1 Protein expressed in mammalian cells.
Sequence:	<p>MAPVLPVVLP LQPRIRLAQG IWLLSWLLAL VGGLTLLCSG HLLVQLGHLG TFLAPSCSFP</p> <p>ALPQTALAAG TVALGTGLGG AGASRASLDA AQYPPWRGVL TPLLAVGTAA GGGLLTALG</p> <p>LALALPVSLN QGLEEGLEAA LAHYKDTEVP GRCQAKRLMD ELQLRYHCCG RHGYKDWFGV</p> <p>QWVSNRYLDP SDQDVVDRIQ SNVEGLYLID GVPFSCCNPH SPRPCLQSQL SDPYAHPLFD</p> <p>PRQPNLNLWA QGCHEVLLEH LQGLSGTLGS ILAVTLLLQI LVLLGLRYLQ TALEGLGGVI</p> <p>DGEGEAQGYL FPGGLKDILK TAWLQGGLAH KPAPEEAPPD EEPKVELAE A <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

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Target:	ROM1
Alternative Name:	Rom1 ( <a href="#">ROM1 Products</a> )
Background:	Rod outer segment membrane protein 1 (ROSP1),FUNCTION: Plays a role in rod outer segment (ROS) morphogenesis (PubMed:10802659). May play a role with PRPH2 in the maintenance of the structure of ROS curved disks (By similarity). Plays a role in the organization of the ROS and maintenance of ROS disk diameter (PubMed:10802659). Involved in the maintenance of the retina outer nuclear layer (PubMed:10802659). {ECO:0000250 UniProtKB:P52205, ECO:0000269 PubMed:10802659}.
Molecular Weight:	37.3 kDa
UniProt:	<a href="#">P32958</a>

## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months